

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|                                               |                    |
|-----------------------------------------------|--------------------|
| Applicant(s): TAKASU et al.                   | Atty. Dkt.: 01-452 |
| Serial No.: Unknown                           | Group Art Unit:    |
| Filed: Concurrently herewith                  | Examiner:          |
| Title: DEMODULATION METHOD AND<br>DEMODULATOR |                    |

Commissioner for Patents  
Arlington, VA 22202

Date: July 31, 2003


**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §1.56, the references listed on the attached Form PTO-1449 are being submitted for consideration by the Examiner without any admission that they constitute statutory prior art, or without any admission that contains subject matter that anticipates the invention or renders the invention obvious to a person of ordinary skill in the art.

The Examiner is requested to initial the attached PTO Form-1449 and to return a copy of same to the undersigned attorney as proof that the listed reference has been considered and made of record.

Respectfully submitted,

  
James E. Barlow  
Reg. No. 32,377

Posz & Bethards PLC  
11250 Roger Bacon Drive, Suite 10  
Reston, VA 20190  
(703)707-9110 (phone)  
Customer No. 23400

|               |               |               |          |
|---------------|---------------|---------------|----------|
| FORM PTO-1449 | ATTY. DKT NO. | 01-452        | SER. NO. |
|               | APPLICANT     | TAKASU et al. |          |
|               | FILING DATE   | July 31, 2003 | GROUP    |

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |  | DOCUMENT NUMBER | DATE         | NAME           | CLASS | SUB CLASS |
|------------------|--|-----------------|--------------|----------------|-------|-----------|
|                  |  | 5,483,193       | Jan 9, 1996  | Kennedy et al. |       |           |
|                  |  | 6,160,857       | Dec.12, 2000 | Yang           |       |           |
|                  |  |                 |              |                |       |           |

FOREIGN PATENT DOCUMENTS

TRANSLATION

|  |  | DOCUMENT NUMBER                                      | DATE    | COUNTRY | NAME | CLASS | SUB CLASS | YES             | NO |
|--|--|------------------------------------------------------|---------|---------|------|-------|-----------|-----------------|----|
|  |  | JP-A-10-173715<br>(Discussed in page 4 of the spec.) | 6/26/98 | JAPAN   |      |       |           | X<br>(Abstract) |    |
|  |  | JP-A-S54-087465                                      | 7/11/79 | JAPAN   |      |       |           | X<br>(Abstract) |    |
|  |  | JP-A-H05-48663                                       | 2/26/93 | JAPAN   |      |       |           | X<br>(Abstract) |    |
|  |  | JP-A-H08-237320                                      | 9/13/96 | JAPAN   |      |       |           | X<br>(Abstract) |    |
|  |  |                                                      |         |         |      |       |           |                 |    |
|  |  |                                                      |         |         |      |       |           |                 |    |
|  |  |                                                      |         |         |      |       |           |                 |    |
|  |  |                                                      |         |         |      |       |           |                 |    |

\* Full English text of the JP Document will be available in machine-translated form from JP (Japanese Patent Office) English language web site at <http://www1.ipdl.jpo.go.jp/PA1/cgi-bin/PA1INDEX>.

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

|          |  |                 |
|----------|--|-----------------|
|          |  |                 |
|          |  |                 |
| EXAMINER |  | DATE CONSIDERED |